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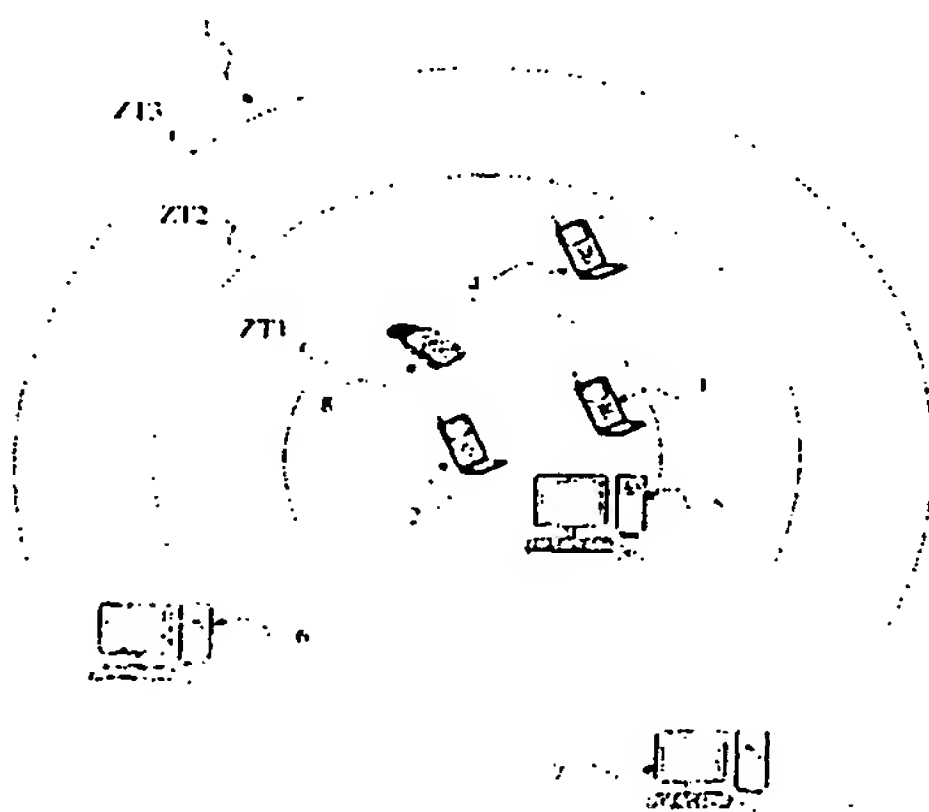
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(54) Title: METHOD FOR ADJUSTING A TRANSMITTING POWER IN A WIRE-LESS COMMUNICATIONS NETWORK

(54) Titre : PROCÉDÉ DE RÉGULATION DE LA PUISSANCE DE TRANSMISSION AU SEIN D'UN RÉSEAU DE COMMUNICATION SANS FIL



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(57) Abstract: The invention relates to a method for controlling a transmitting power for a transmitter in a wire-less communication network consisting in identifying entities adjacent to said transmitter, identifying amongst said adjacent entities a minimum constellation associated to the transmitter, identifying, if necessary amongst the adjacent entities not belonging to said minimum constellation, peripheral entities whose minimum constellation includes the transmitter and in adjusting the transmitting power of the transmitter to a minimum value, thereby enabling a message transmitted thereby to simultaneously reach the entities of the minimum constellation associated to said transmitter and each identified peripheral entity.

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For an explanation of the two-letter codes and the other abbreviations, reference is made to the explanations ("Guidance Notes on Codes and Abbreviations") at the beginning of each regular edition of the PCT Gazette.

(57) **Abbrégé :** Procédé de régulation de la puissance de transmission d'une entité émettrice dans un réseau d'entités communicantes sans fil, comportant les étapes consistant à : identifier les entités voisines de l'entité émettrice ; parmi les entités voisines, identifier constellation minimale associée à l'entité émettrice ; parmi les entités voisines n'appartenant pas à la constellation minimale, identifier le cas échéant les entités dites périphériques, dont la propre constellation minimale inclut l'entité émettrice ; régler la puissance de transmission de l'entité émettrice à une valeur minimale permettant à un message émis par l'entité émettrice d'atteindre à la fois les entités de la constellation minimale associée à l'entité émettrice et chaque entité périphérique identifiée.